Functional Diagram of CTTS


```
┌──────────┐
│  User 3  │────────┐
└──────────┘        │
  ┌──────────┐      │    ┌──────────────┐        ┌──────────────┐
  │  User 2  │──────┼───▶│ VMM & time   │        │ Recognized   │
  └──────────┘      │    │   index      │        │   Text       │
    ┌──────────┐    │    ├──────────────┤───────▶├──────────────┤
    │  User 1  │────┼───▶│ VMM & time   │        │ Recognized   │
    └──────────┘    │    │   index      │        │   Text       │
                    └───▶├──────────────┤───────▶├──────────────┤
                         │ VMM & time   │        │ Recognized   │
                         │   index      │        │   Text       │
                         └──────────────┘───────▶└──────────────┘
```

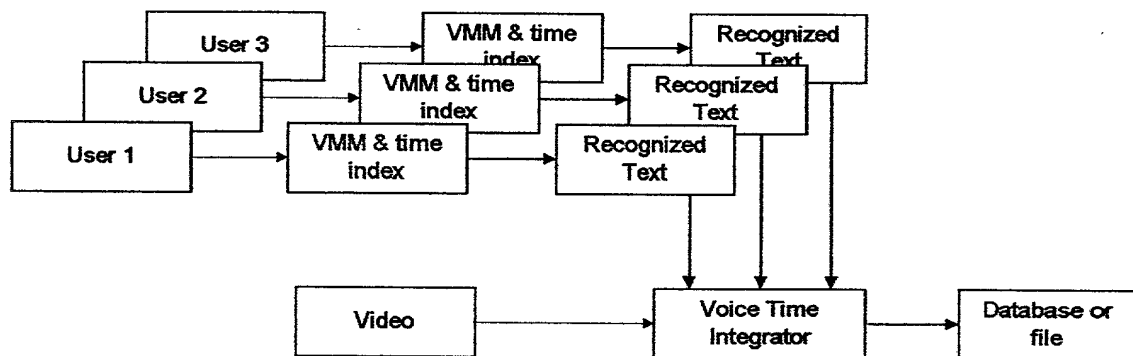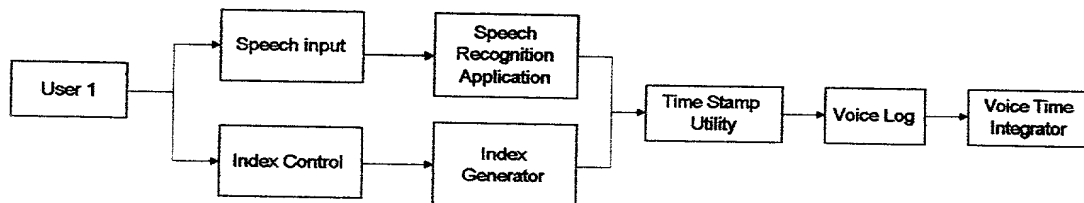| Video | | Voice Time Integrator | | Database or file |

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Figure 1

Figure 2

Single User Section Functional Diagram
of CTTS

```
                    ┌──────────────┐      ┌──────────────┐
               ┌───▶│ Speech input │─────▶│   Speech     │
               │    └──────────────┘      │ Recognition  │──────┐
 ┌────────┐    │                          │ Application  │      │
 │ User 1 │────┤                          └──────────────┘      │
 └────────┘    │    ┌──────────────┐      ┌──────────────┐      │
               └───▶│ Index Control│─────▶│    Index     │      │
                    └──────────────┘      │  Generator   │      │
                                          └──────────────┘      │
```

```
┌──────────────┐   ┌───────────┐   ┌──────────────┐
│  Time Stamp  │──▶│ Voice Log │──▶│  Voice Time  │
│   Utility    │   │           │   │  Integrator  │
└──────────────┘   └───────────┘   └──────────────┘
```

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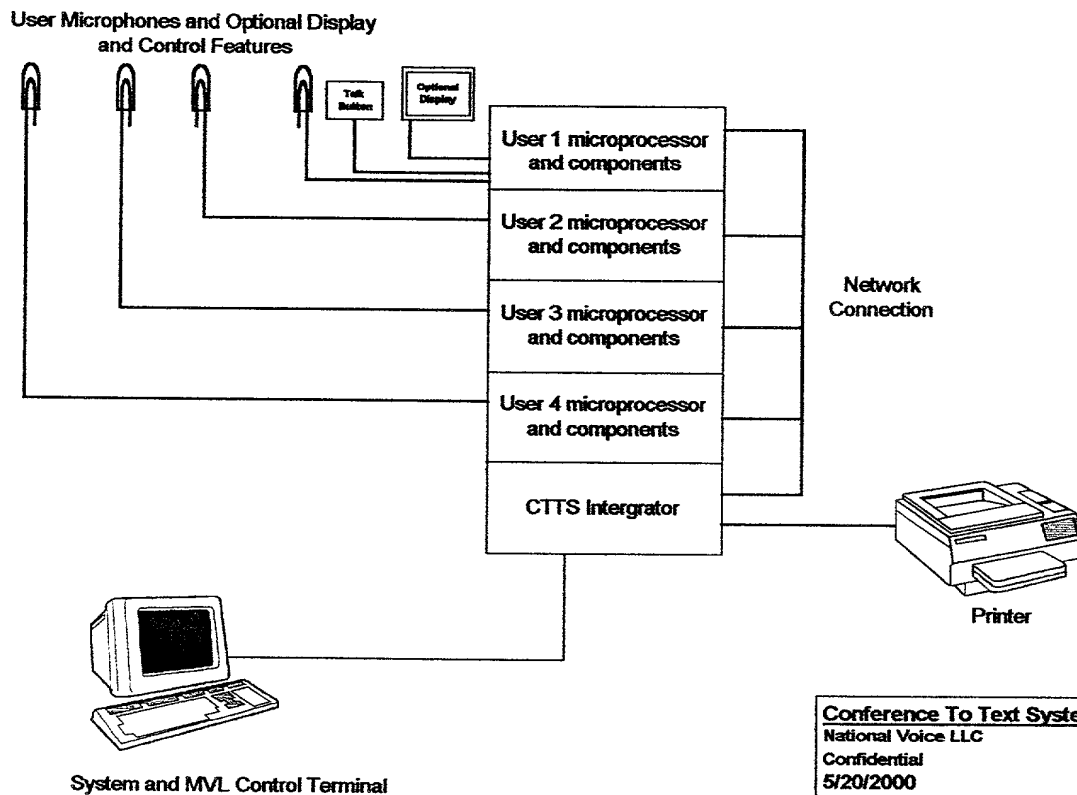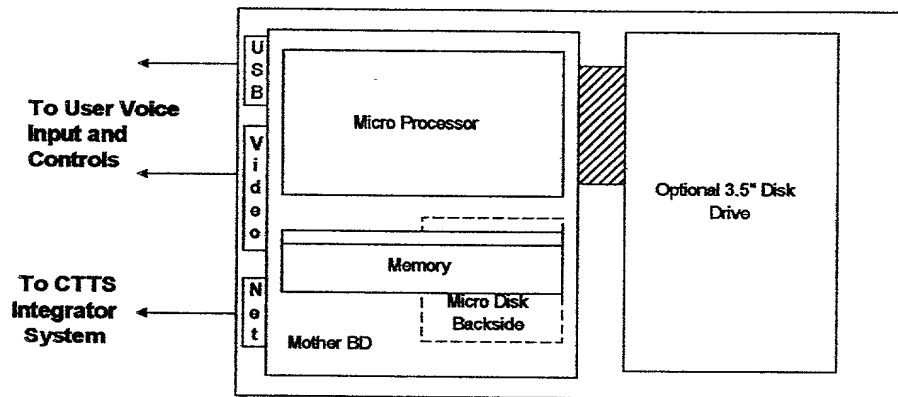**Figure 3**

CTTS Hardware Component Diagram and Connections

User Microphones and Optional Display and Control Features

Talk Button

Optional Display

User 1 microprocessor and components

User 2 microprocessor and components

User 3 microprocessor and components

User 4 microprocessor and components

CTTS Intergrator

Network Connection

Printer

System and MVL Control Terminal

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Figure 4

Micro-Computer Packaged Into Standard 5 1/4" Form Factor

To User Voice Input and Controls

To CTTS Integrator System

USB

Video

Net

Micro Processor

Memory

Micro Disk Backside

Mother BD

Optional 3.5" Disk Drive

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Figure 5

Figure 6